



Performance Data Sheet

AVA7524ZXC

General Information

Model	AVA7524ZXC	Refrigerant	R-404A
Test Condition	ARI	Performance Test Voltage	240V ~ 50HZ
Return Gas	4.4°C (40°F) RETURN GAS	Motor Type	CSR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-10	Btu/h	13700	12300	10200	7820	5280	2830	717
	Watts	2160	2250	2300	2320	2340	2370	2420
	Amps	14.5	14.5	14.4	14.2	14.1	14.0	13.9
	Lb/h	227	223	203	169	127	76.9	23.7
-5	Btu/h	16200	14600	12400	9880	7170	4550	2260
	Watts	2270	2370	2440	2480	2500	2540	2590
	Amps	14.6	14.7	14.7	14.6	14.6	14.5	14.4
	Lb/h	273	269	249	216	174	126	73.8
0	Btu/h	19000	17300	14900	12100	9190	6360	3840
	Watts	2380	2510	2590	2640	2680	2720	2790
	Amps	14.8	14.9	15.0	15.0	15.1	15.1	15.1
	Lb/h	323	319	298	266	224	177	126
5	Btu/h	22100	20100	17500	14500	11400	8280	5490
	Watts	2490	2640	2740	2810	2870	2920	2990
	Amps	14.9	15.2	15.3	15.5	15.6	15.7	15.7
	Lb/h	378	373	352	320	278	231	182
10	Btu/h	25500	23300	20400	17200	13700	10300	7240
	Watts	2610	2780	2900	2990	3060	3120	3200
	Amps	15.1	15.4	15.7	15.9	16.1	16.3	16.4
	Lb/h	439	433	411	379	337	290	242
15	Btu/h	29300	26800	23600	20000	16200	12500	9110
	Watts	2710	2910	3060	3170	3250	3330	3420
	Amps	15.2	15.7	16.1	16.4	16.7	16.9	17.2
	Lb/h	507	499	477	444	402	355	307
20	Btu/h	33500	30600	27100	23100	19000	14900	11100
	Watts	2810	3040	3210	3340	3440	3530	3640
	Amps	15.4	16.0	16.5	16.9	17.3	17.6	17.9
	Lb/h	583	573	550	516	474	427	379
25	Btu/h	38100	34800	30900	26500	22000	17500	13300
	Watts	2890	3150	3340	3500	3620	3730	3850
	Amps	15.6	16.3	16.9	17.4	17.9	18.3	18.7
	Lb/h	668	657	632	597	554	507	458

30	Btu/h	43000	39400	35000	30200	25300	20300	15700
	Watts	2950	3240	3460	3640	3790	3920	4050
	Amps	15.8	16.6	17.3	18.0	18.5	19.0	19.5
	Lb/h	763	750	724	687	643	595	546

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.703508E+04	-2.273556E+03	9.981641E+00	-5.699460E+02
C2	8.537178E+02	-3.286987E+01	-2.035940E-01	1.383681E+01
C3	1.286670E+03	1.182249E+02	1.188699E-01	2.526732E+01
C4	1.235155E+01	-2.152976E-01	-2.638963E-04	1.372479E-01
C5	-2.656849E+00	9.356760E-01	3.564890E-03	-6.875597E-02
C6	-1.355219E+01	-9.705022E-01	-9.342617E-04	-2.180298E-01
C7	3.213740E-02	-6.457642E-03	-3.203702E-06	1.436526E-03
C8	-7.825896E-02	3.507963E-03	6.834586E-06	-5.111719E-04
C9	-8.104207E-03	-2.980173E-03	-8.453289E-06	3.334476E-04
C10	3.876216E-02	2.743786E-03	2.465946E-06	5.218594E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature